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10-23-91
12.38 v. 6
Used to
Follow up on
this.
Cooling Tower as is Jan.

FACSIMILE TRANSMITTAL

TO: DAN PETERS
AGCW Seattle
FAX # (206) 623-5355

FROM: S Rinella, SMG

DATE: Oct 23, 91 NO. OF PAGES (2)
Including Cover Sheet

COMMENTS: ① For your information:

② What about cooling water
requirements and utilizing
some of the existing cooling
water lines? What is
Baugh's schedule for
installation of the new
cooling tower and
connection to the existing
lines to/from the Finish Mill?

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SMITH & MONROE & GRAY ENGINEERS

MEMORANDUM

8-169B

TO: Dan Peters, Ash Grove/Seattle
FROM: Stephen Rinella, Smith & Monroe & Gray/Portland
DATE: October 23, 1991
RE: SITE DRAINAGE MODIFICATIONS

As you requested, we have considered the work and the sequence of work in order to maintain an operable drainage system during construction. As you are aware, we are utilizing some existing piping and components into the final system design so that some disruption may occur during change-over.

We see four areas that require careful coordination to assure minimal impact; these areas are as follows: (1) Excavation, fill and grading associated with the detention pipe and the existing pond; (2) connection into the existing 18" storm line on the south side to and from the new settling basin; (3) installation of the clean-out manhole at about S1620, W4100; and installation of the manhole at about S1620, W4230.5.

The first area of concern can be alleviated by utilizing limited storage capacity during construction. The existing pond and the new detention pipe have capacity to handle large quantities of water for the design 25 year or more storm event. During construction, your exposure or risk of a high storm event is low since the construction time is limited. Therefore it is acceptable, for that limited construction time, to accept a reduced detention capacity in the pond. Excavation, filling and grading for the new detention system can be done with the existing pond partially filled. The existing pond can be used as disposal for de-watering for excavation of the new work; a temporary discharge permit into the Duwamish may be appropriate, Nate Fernow is in a better position to discuss this aspect. After the new system is fully operable, the rest of the existing pond can be filled.

The last three areas of concern can be constructed with minimal disruption. All three can be constructed almost entirely before connection to the existing 18" line. Manholes can be constructed around the existing line (this is common tying into existing systems) and the final break into the line can be done when the system is near dry.

In summary, it is our opinion that minimal disruption should be anticipated with adequate planning and coordination of the work. We would be glad to meet with you and your contractor to help resolve any additional details of the work.